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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/699,100	10/30/2003	Hilal Ezzeddine	2269-5-3	2659
996 7590 09/11/2009 GRAYBEAL JACKSON LLP 155 - 108TH AVENUE NE			EXAMINER	
			NGUYEN, TUYEN T	
SUITE 350 BELLEVUE, V	VA 98004-5973		ART UNIT	PAPER NUMBER
			2832	
			MAIL DATE	DELIVERY MODE
			09/11/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/699,100 EZZEDDINE, HILAL Office Action Summary Examiner Art Unit TUYEN T. NGUYEN 2832 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 30 November 2007. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1 and 3-12 is/are rejected. 7) Claim(s) 2 is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s)

PTOL-326 (Rev. 08-06)

1) Notice of References Cited (PTO-892)

Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO/SE/08)
Paper No(s)/Mail Date ______

Interview Summary (PTO-413)
 Paper No(s)/Mail Date.

6) Other:

Notice of Informal Patent Application

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 4, and 6-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's admitted prior art of figure 2 [AAPA] Masahiro et al. [JP 61-266069.]

AAPA discloses a transformer comprising:

- a common mode winding structure including first and second coils [5, 6]; and
- a differential mode winding structure including first and second coils [7, 8] electrically coupled with the common mode winding structure.

wherein the coils having the same length of $\lambda/4$.

AAPA discloses the instant claimed invention except for a capacitor.

Misahiro et al. discloses a mode-switching transformer [2] having only one capacitor [30, 40] connected in series with at least one coil/winding [21, 23.]

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include a capacitor in series with the common mode winding structure of AAPA, as suggested by Misahiro et al., for the purpose of reducing common mode noise.

Regarding claim 4, the specific location of the capacitor would have been an obvious design consideration based on the intended application/environment use.

Regarding claims 6 and 9-10, the specific frequency of the transformer would have been an obvious design consideration based on the intended application/environment use.

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Claims 3, 5 and 11-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over AAPA in view of Misahiro et al. as applied to claim 1 above, and further in view of Waffenschmidt [US6,529,363.]

AAPA in view of Misahiro et al. discloses the instant claimed invention except for the specific of the coil/winding.

Waffenschmidt discloses a multi-layered transformer comprising at least one coil formed of a plurality of conductive layers [1, 2, 3, 4, 5, 6] with insulating layer [8] disposed between the conductive layers and a capacitor [9] coupled to the at least one coil.

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to use the coil/winding design of Waffenschmidt in AAPA, as modified, for the purpose of simplying

Response to Arguments

Applicant's arguments with respect to claims 1 and 3-12 have been considered but are moot in view of the new ground(s) of rejection.

Allowable Subject Matter

Claim 2 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

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Any inquiry concerning this communication or earlier communications from the

examiner should be directed to TUYEN T. NGUYEN whose telephone number is 571-272-1996.

The examiner can normally be reached on M-F 8:30-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, ELVIN ENAD can be reached on 571-272-1990. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/TUYEN T NGUYEN/

Primary Examiner, Art Unit 2832